User Notes

Product line UC / UC3

METTLER TOLEDO

UC Hardware

Congratulations

You have decided to purchase a high-quality system scale from METTLER TOLEDO's UC family of scales. Please use this user guide to familiarise yourself with the functionality of the scale.

The installation, setting up and configuration of this scale is in general carried out by personnel from your METTLER TOLEDO service organisation. You can find the contact address on the scale's type plate, or from an authorised METTLER TOLEDO organisation. During the setting up of your scale, you will also be briefed on its correct handling.
The scale should only be operated by trained personnel.

Please contact your METTLER TOLEDO service organisation or your supplier if you have any further questions or if you require your scale's configuration to be changed.

You have purchased this scale either with the METTLER TOLEDO «UC3» application software or with the application software of an independent third party developer.

When using the scale together with METTLER TOLEDO's «UC3» application software, please refer to the separate "**User manual UC3 Software"** for a full description of the UC3 application software's functionality and usage.

Otherwise, please refer to your application software's respective user manual or contact your supplier.

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1. General
1.1 Declaration of conformity

We, **Mettler-Toledo (Albstadt) GmbH**
Unter dem Malesfelsen 34
D-72458 Albstadt, Germany

declare under our sole responsibility that the product

Retail Scale
of type UC - ...

starting from serial number 3076250

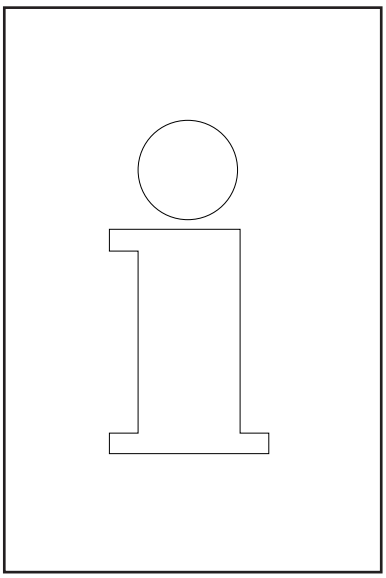
to which this declaration relates, is in conformity with the following directives and standards:

Directive	**Standard**
Relating to electromagnetic compatibility 2004/108/EG	EN 61000-6-1 EN 61000-6-3
Relating to electrical equipment to be used within specified voltage limits 2006/95/EG	EN 60 950
Relating to non-automatic weighing instruments 2009/23/EG	EN 45501
Relating to Radio and Telecommunications Terminal Equipment Directives 1999/5/EG	EN 300328 EN 300328 EN 301489-1 EN 301489-17

Albstadt, March 2011 Mettler-Toledo (Albstadt) GmbH

Christoph Dermond, General Manager

1.2 Calibration notice



Important notice
for calibrated scales in EU countries

M	**Scales calibrated at the factory display this sign on their packaging label.**
M	**Scales with a green M sticker on their calibration plate are ready for use.**
M	**Scales to be verified in two stages have this sign on their packaging label.**

These scales have already been subject to the first calibration step (Declaration of Conformity according to EN 45501-8.2) and must be calibrated at the site of use. The calibration must be performed by a certified METTLER TOLEDO service organisation.

Please contact METTLER TOLEDO customer service for more information.

Retail scales used to aid direct selling to the public must be legally verified before use.

Please adhere to the weights and measures regulations of your country.

1.3 Switching the scale on-/off

The scale is not switched on and off using a mains power switch but instead using a power button. Hence:

- **Switching off** (shutting down the operating system) takes place after a time delay.
- **Switching on** (booting up the operating system) takes place normally.

Before working on the scale, unplug the **mains cable** from the mains each time to ensure the scale is free of any electrical current.

1.4 Safety precautions

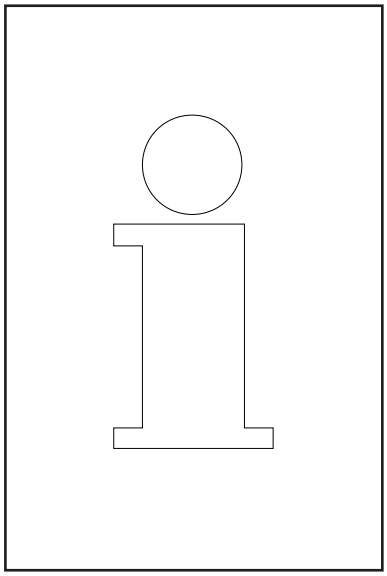
Do not operate the scale in environments containing explosive mixtures of gases, vapours or powders!

Any electrical device that does not include a specific ignition protection category for a potentially explosive area presents a substantial safety risk in that area.

To prevent accidents, the scale should only be opened by trained customer service personnel!

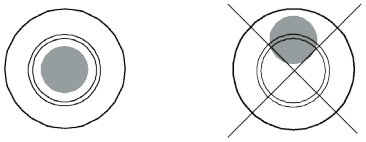
WARNING! IMPROPER EXCHANGE OF THE BATTERY CAN CAUSE AN EXPLOSION.
DISPOSE OF USED BATTERIES ACCORDING TO THEIR INSTRUCTIONS.

1.5 Installation



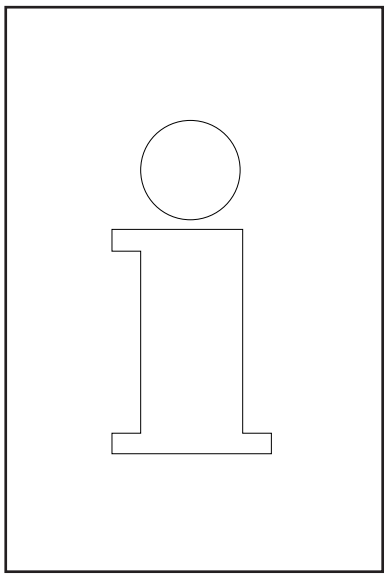
Your scale will usually be part of a networked system. It will be installed, levelled and put into operation either by METTLER TOLEDO or one of our authorised dealers. During the installation, you will receive comprehensive training and all of the associated documentation. Only connect your scale to a mains power outlet using the supplied power cable.

To check the leveling of your scale, use the spirit level. This is attached to the rear side of the scale. Use the adjustable feet to position the scale so that the bubble is in the centre of the spirit level. Check the spirit level at regular intervals to ensure correct levelling. After changing the location of your scale, recheck its levelling and adjust if necessary.



correct wrong

1.6 Zeroing feature and zeroing the scale



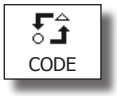
The scale has an automatic zeroing feature, which means it automatically compensates for small variations in weight (e.g. due to fatty residues on the weighing platter). Automatic zeroing is not active if a packaging weight has been tared. After the removal of dirt or residue, with the scale switched on, the display can either:

- show a negative value

or

- show the underload symbol

Remedy:

- 

key followed by

key

or

-

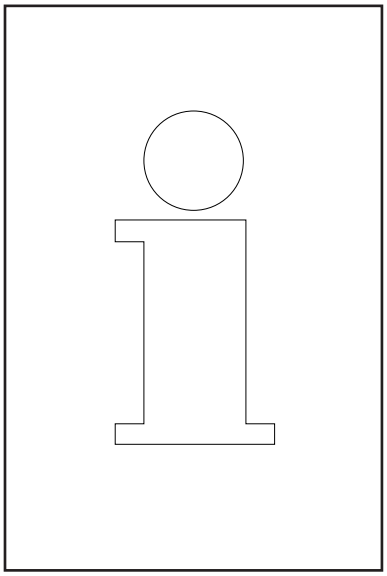
Press the Zero Setting key

If the error message appears again:

- Switch the scale off and on (to activate zeroing)

1.7 Information on thermal paper and thermal labels

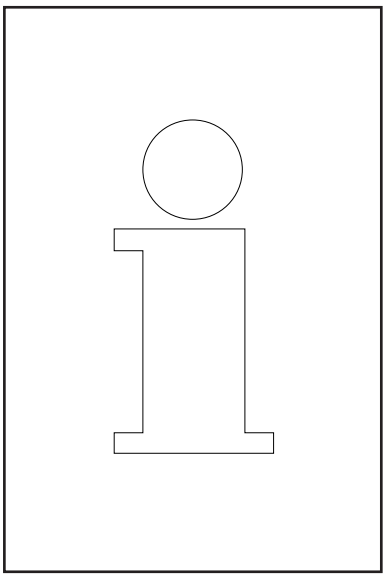
The printer used in UC retail scales is a thermal one. Only use thermal paper, thermal label paper or linerless paper in this printer. METTLER TOLEDO has tested these paper types (e.g. L1-21,L1-31 for receipt printers; P3-20, P3-011 for label printers and P5-23, P5-24 for linerless printers) over a long-term before deciding to use them. The paper is also approved for use in UC retail scales by the respective weights and measures authority.



Using thermal paper or thermal label paper other than that mentioned above could reduce the print quality and the service life of the printhead. In such cases, we accept no guarantee for the thermal printer.

1.8 Using, cleaning and maintaining the touchscreen

The touchscreen requires only minimum maintenance. For regular cleaning of the touchscreen, we recommend using either a soft cloth with a little screen cleaner, a glasses cleaning cloth or a damp cloth with a glass cleaning agent applied to it.



Strong pressure, scratching the surface or operating with hard, sharp or pointed objects can cause damage which can render the touchscreen defective.

Ensure the scale is switched off before cleaning it, in order to avoid accidental misuse.

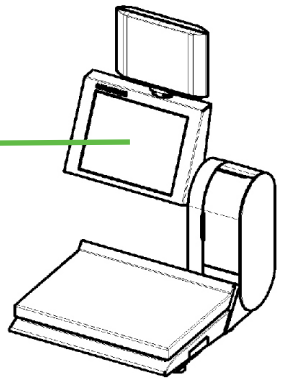
Note:
Always first apply the cleaning agent to the cloth before cleaning the touchscreen with it.
Do not use organic acid or alkaline solutions for cleaning!

2. Maintenance

2.1 Counter scale

Always unplug the scale from the mains before working on it.

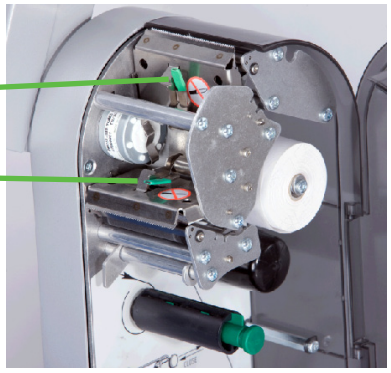
2.1.1 Cleaning



- Switch off the scale and unplug it from the mains.
- Clean the scale with a slightly damp (not wet) cloth.
- Plug the scale back into the mains and switch it on.

Only clean the scale with a commercially available cleaning agent.
To remove labels or label residue stuck to the printer door,
only use the label remover recommended by Mettler-Toledo or by a Mettler-Toledo authorised organisation.

2.1.2 Cleaning the printhead

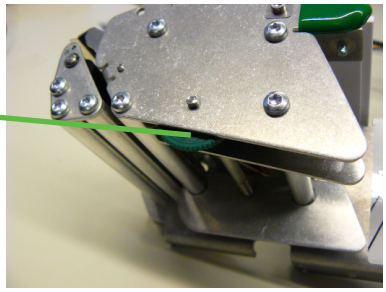


- Switch off the scale and unplug it from the mains.
- Open the printer door.
- **Receipt printer:** Press the release lever backwards.
  The printhead folds out forwards.
- **Label printer:** Press the release lever downwards.
  The printhead folds out upwards.
- Remove the cap from the cleaning pen.
- Clean the front of the printhead with the moist tip of the pen.
- **Receipt printer:** Press the printhead upwards until it locks in place again.
- **Label printer:** Press the printhead downwards until it locks in place again.
- Replace the cap on the cleaning pen.
- Plug the scale back into the mains and switch it on.

To clean the printhead, only use the cleaning pen supplied with the scale.
Attempting to clean the printhead with other objects will damage it.

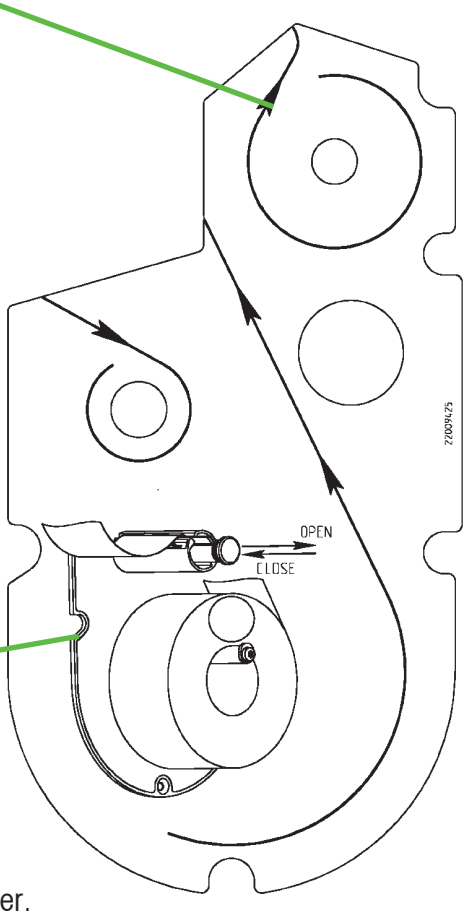
2.1.3 Setting the paper width

- Adjust the paper guide to the corresponding paper width using the green knob.



2.1.4 Inserting the receipt roll

- Remove the empty sleeve from the used roll.
- Press the release lever **backwards**.
  The printhead folds out forwards.
- Insert the new label roll according to the adjacent diagram.
- The paper start is on the left side.
- Pull the thermal paper forwards until it becomes taut.
- Press the printhead **upwards** until it locks in place again.
- Tear off the excess paper.



2.1.5 Inserting the label roll

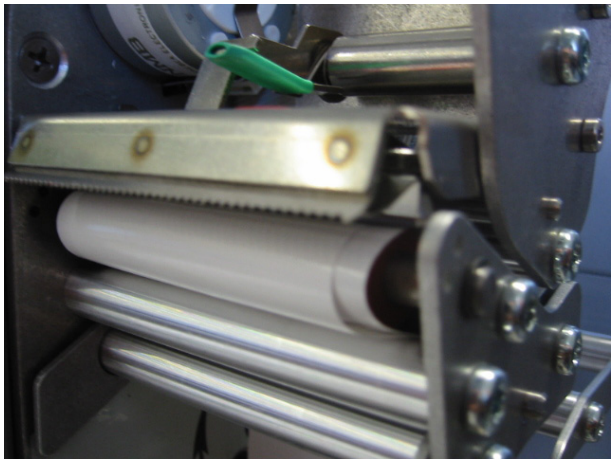
- Remove the empty sleeve from the used roll.
- Press the release lever **downwards**.
  The printhead folds out upwards.
- Pull out the green take up spindle and remove the liner paper.
- Insert the new label roll as shown in the adjacent diagram.
- The paper start is on the left side.
- Insert the liner paper into the takeup spindle and push the spindle in.
- Press the printhead **downwards** until it locks in place again.
- Press the paper feed button.

2.2 Counter scale with linerless printer

Always unplug the scale from the mains before working on it.

2.2.1 Cleaning the printhead

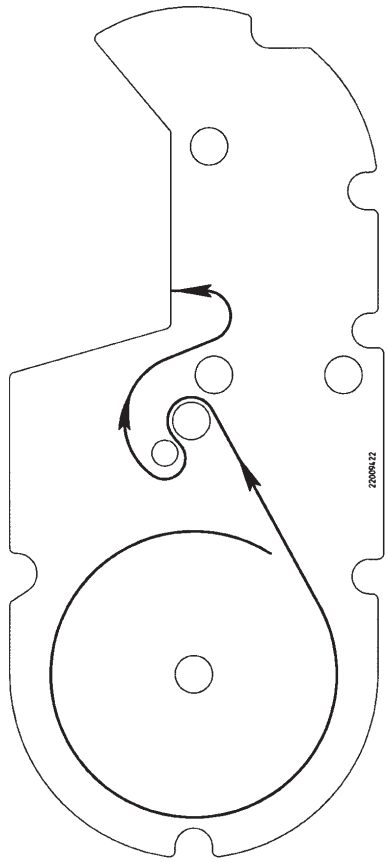
- Switch off the scale and unplug it from the mains.
- Open the printer door.
- Press the release lever **downwards**. The printhead folds out upwards.
- Remove the cap from the cleaning pen.
- Clean the front of the printhead with the moist tip of the pen.
- Press the printhead **downwards** until it locks in place again.
- Replace the cap on the cleaning pen.
- Plug the scale back into the mains and switch it on.

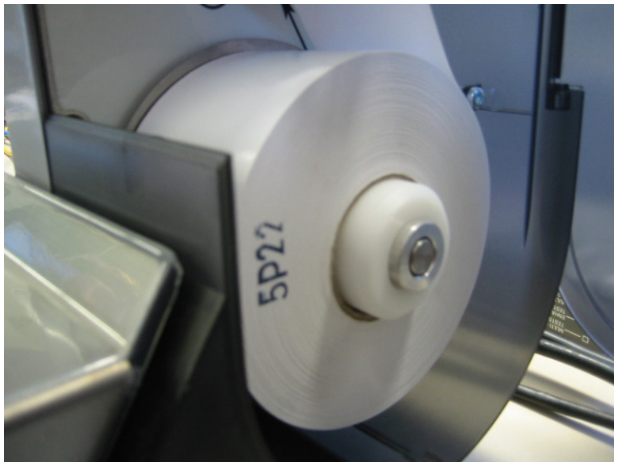


To clean the printhead, only use the cleaning pen supplied with the scale.
Attempting to clean the printhead with other objects will damage it.

2.2.2 Inserting the linerless paper roll

- Remove the empty sleeve from the used roll.
- Press the release lever **downwards**. The printhead folds out upwards.
- Insert the new linerless roll as shown in the adjacent diagram.
- The paper start is on the left side.
- Press the printhead **downwards** until it locks in place again.
- Press the paper feed button.



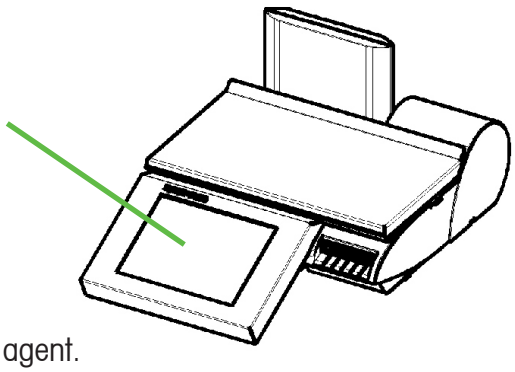


2.3 Compact scale

Always unplug the scale from the mains before working on it.

2.3.1 Cleaning

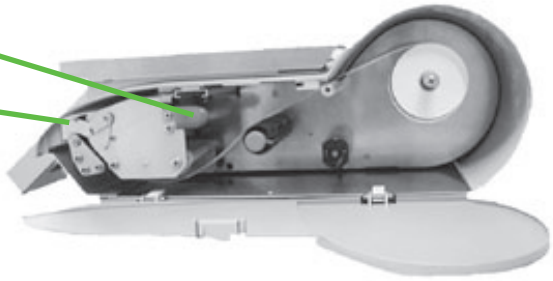
- Switch off the scale and unplug it from the mains.
- Clean the scale with a slightly damp (not wet) cloth.
- Plug the scale back into the mains and switch it on.



Only clean the scale with a commercially available cleaning agent.
To remove labels or label residue stuck to the printer door,
only use the label remover recommended by Mettler-Toledo or by a Mettler-Toledo authorised organisation.

2.3.2 Cleaning the printhead

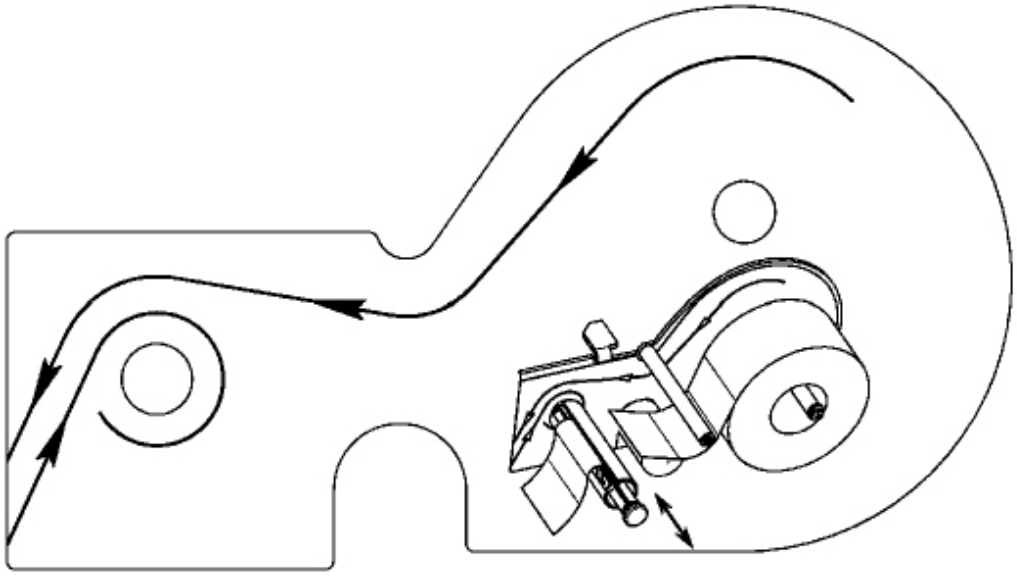
- Switch off the scale and unplug it from the mains.
- Open the printer door.
- Pull the green handle out as far as possible and remove the printer from its housing.
- Press the release lever **downwards**. The printhead folds out upwards.
- Remove the cap from the cleaning pen.
- Clean the front of the printhead with the moist tip of the pen.
- Press the printhead **downwards** until it locks in place again.
- Using the green handle, slide the printer back into its housing.
- Close the printer door.
- Replace the cap on the cleaning pen.
- Plug the scale back into the mains and switch it on.



To clean the printhead, only use the cleaning pen supplied with the scale.
Attempting to clean the printhead with other objects will damage it.

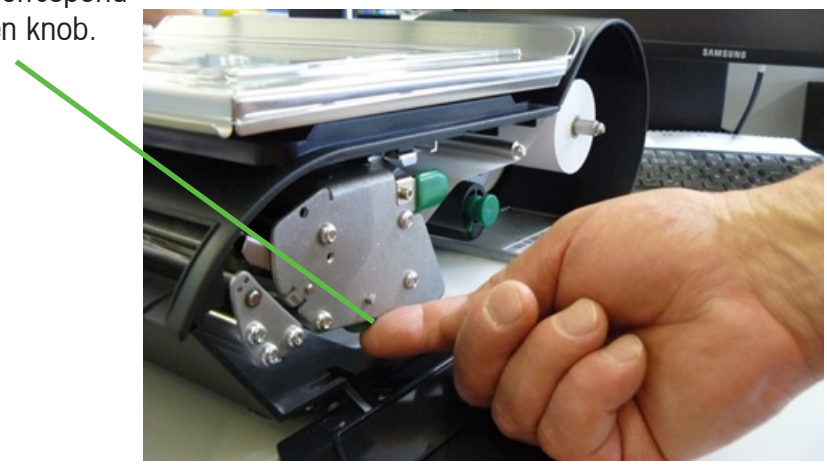
2.3.3 Inserting the receipt roll

- Open the printer door.
- Pull the green handle out as far as possible and remove the printer from its housing.
- Remove the empty sleeve from the used roll.
- Press the release lever **downwards**. The printhead folds out upwards.
- Insert the new receipt roll according to the below diagram.
- The paper start is on the left side.
- Pull the thermal paper forwards until it becomes taut.
- Press the printhead **downwards** until it locks in place again.
- Using the green handle, slide the printer back into its housing.
- Tear off the excess paper.
- Close the printer door.



2.3.4 Setting the paper width

- Adjust the paper guide to the corresponding paper width using the green knob.

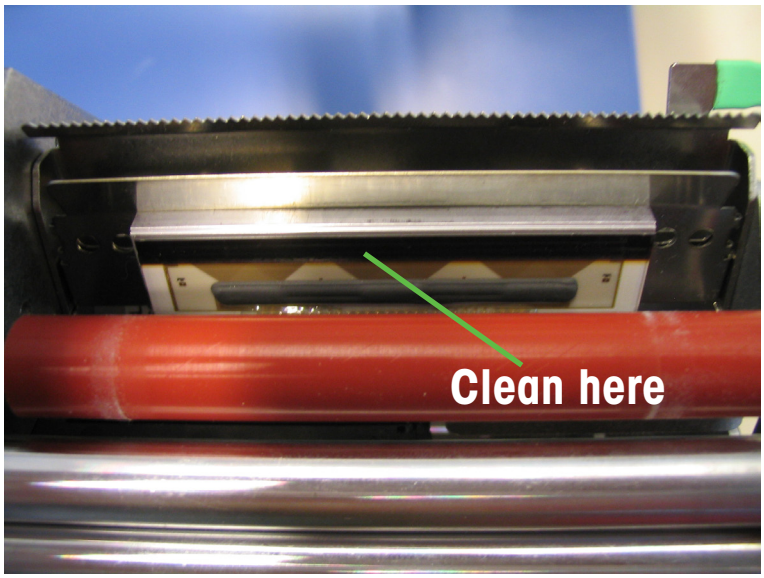


2.4 Compact scale with linerless printer

Always unplug the scale from the mains before working on it.

2.4.1 Cleaning the printhead

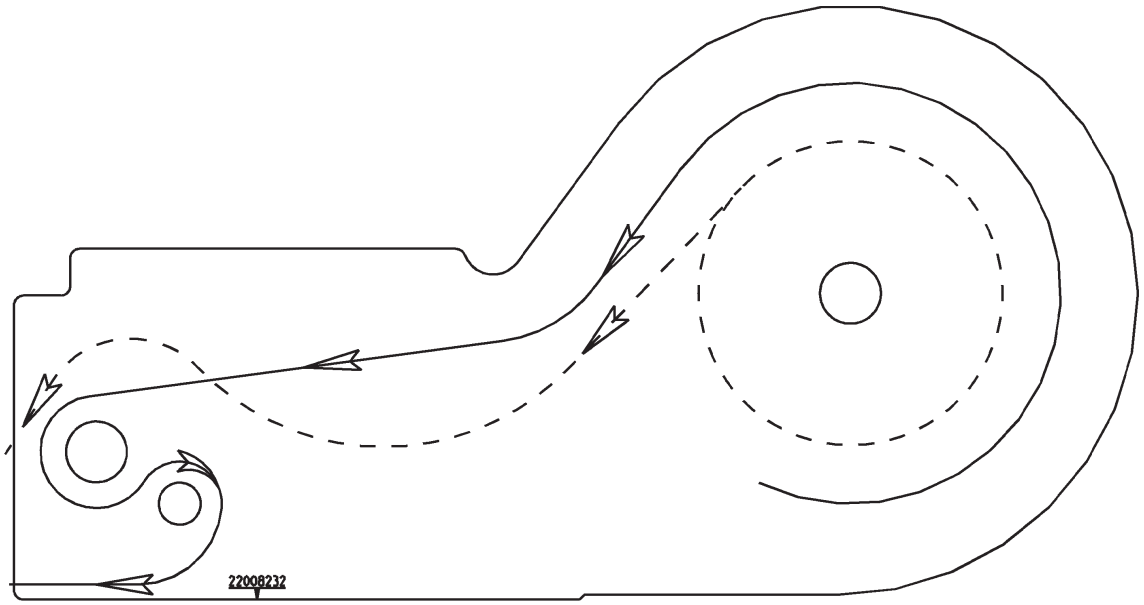
- Switch off the scale and unplug it from the mains.
- Open the printer door.
- Pull the green handle out as far as possible and remove the printer from its housing.
- Press the release lever **downwards**. The printhead folds out upwards.
- Remove the cap from the cleaning pen.
- Clean the front of the printhead with the moist tip of the pen.
- Press the printhead **downwards** until it locks in place again.
- Using the green handle, slide the printer back into its housing.
- Close the printer door.
- Replace the cap on the cleaning pen.
- Plug the scale back into the mains and switch it on.



To clean the printhead, only use the cleaning pen supplied with the scale.
Attempting to clean the printhead with other objects will damage it.

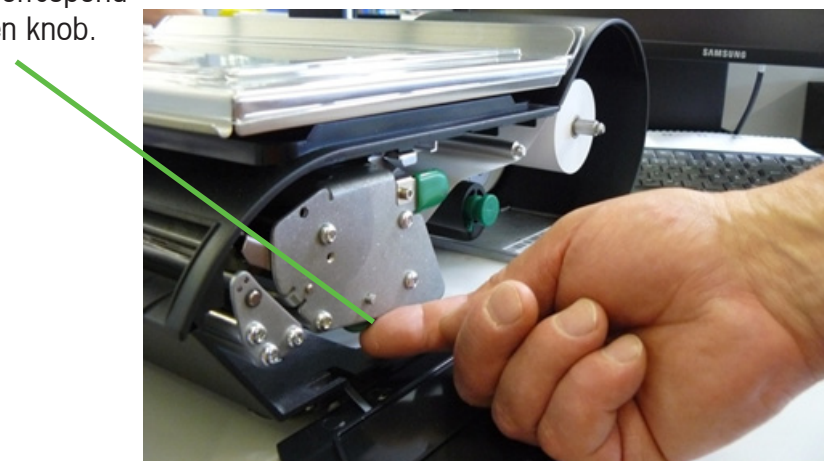
2.4.2 Inserting the linerless paper roll

- Switch off the scale and unplug it from the mains.
- Open the printer door.
- Pull the green handle out as far as possible and remove the printer from its housing.
- Remove the empty sleeve from the used roll.
- Press the release lever **downwards**. The printhead folds out upwards.
- Insert the new receipt roll according to the below diagram.
- The paper start is on the left side.
- Pull the thermal paper forwards until it becomes taut.
- Press the printhead **downwards** until it locks in place again.
- Using the green handle, slide the printer back into its housing.
- Tear off the excess paper.
- Close the printer door.



2.4.3 Setting the paper width

- Adjust the paper guide to the corresponding paper width using the green knob.

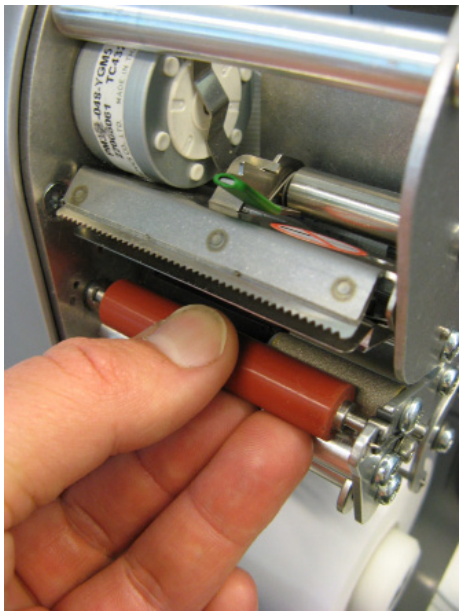


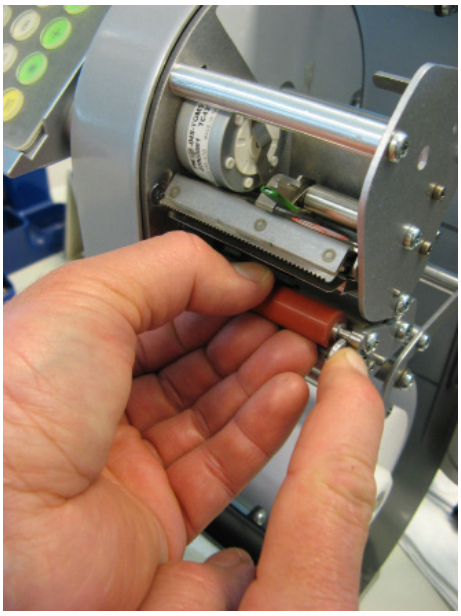
2.4.3 Exchanging the interchangeable roller in the linerless printer

- Open the printer door.
- Release the printhead by pivoting it upwards.

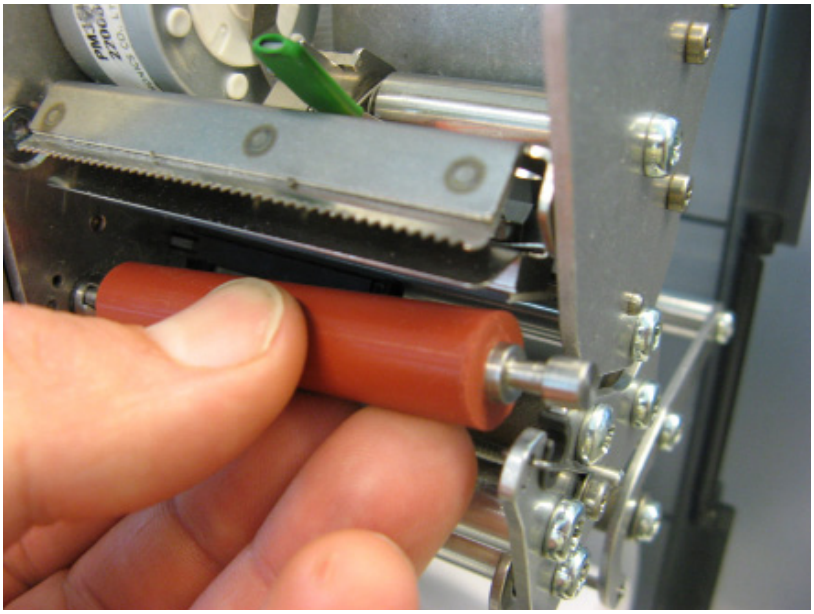
- Remove the linerless paper from the roller.

- Grip the middle of the linerless roller and move it outwards while pressing the spring downwards (to release the roller).

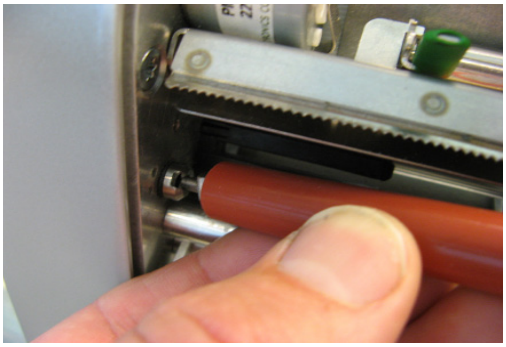


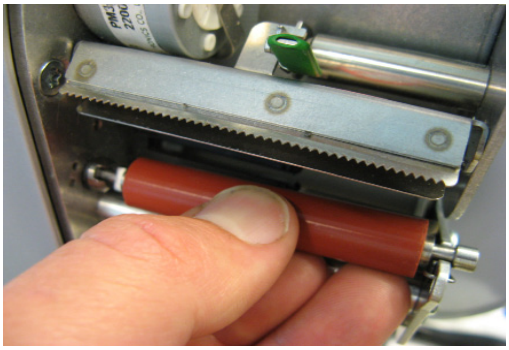


- Slide the roller outwards and move it away over the opening.

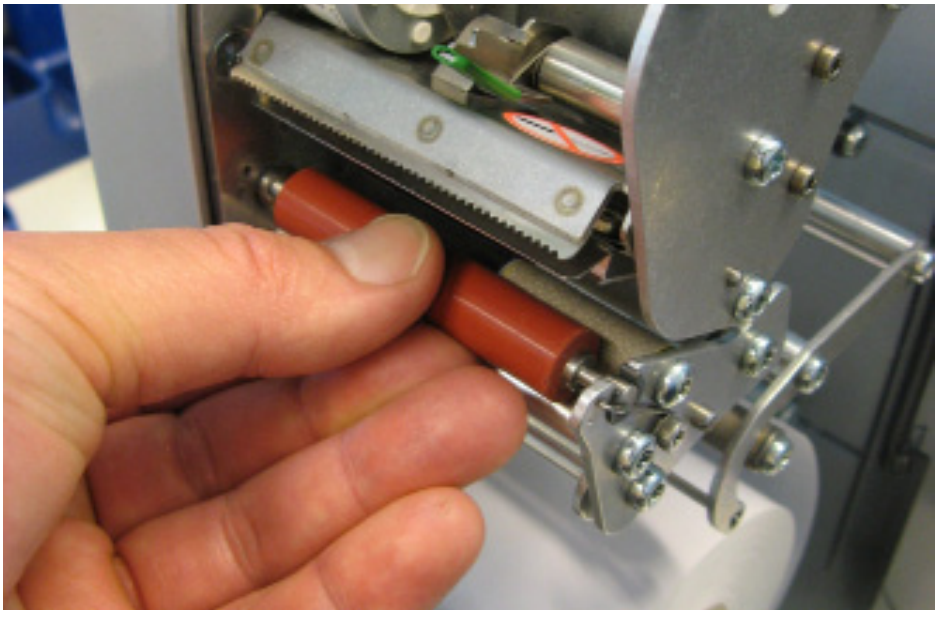


- Centre the inside of the new linerless roller with the studs on the drive assembly and insert it into the bracket opening.

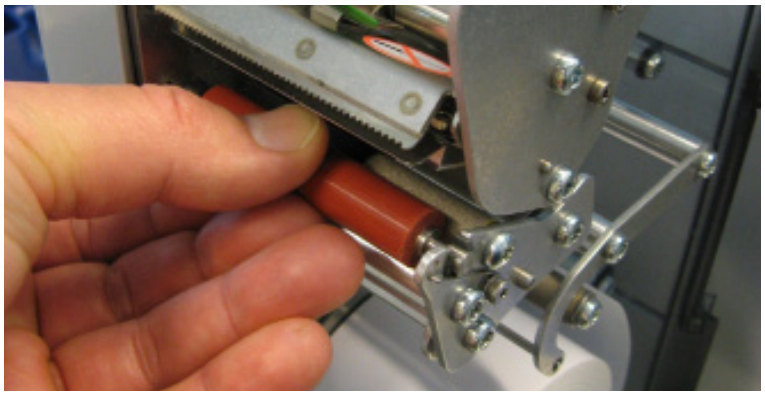


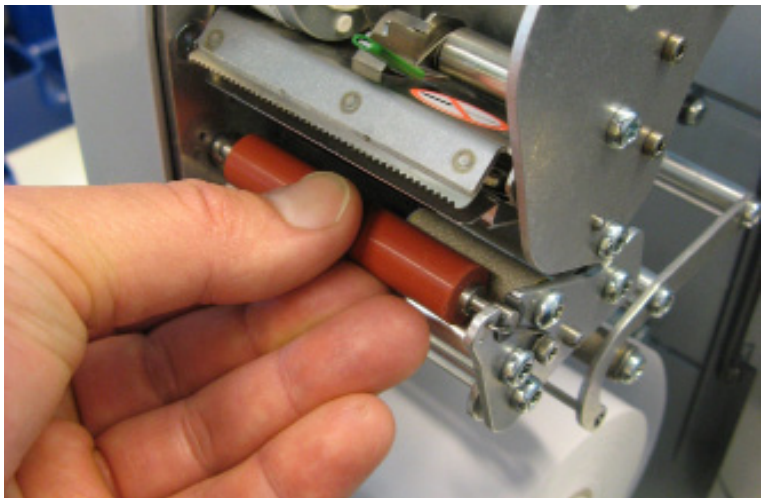


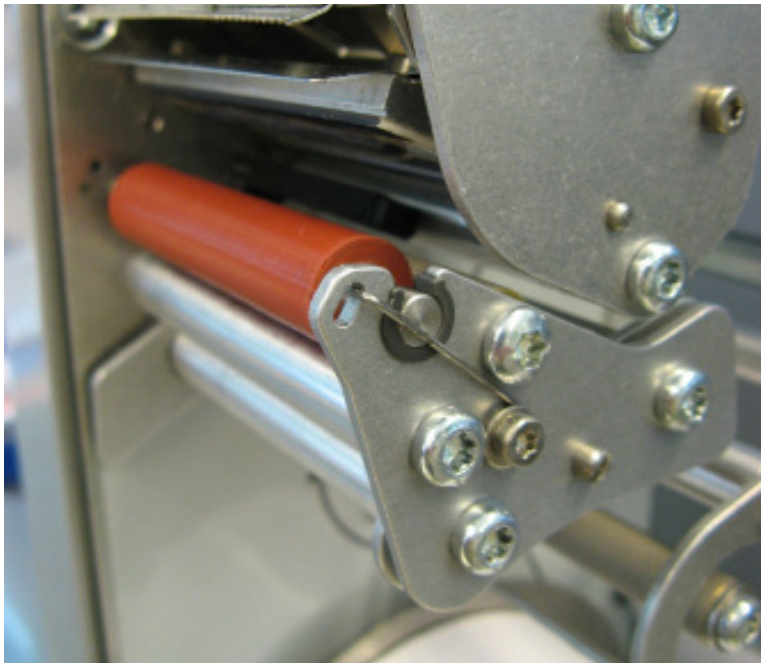
- The spring is automatically pressed downwards.



- Press the roller inwards and simultaneously rotate it until the spring locks in place. It should now no longer be possible to slide the roller outwards.







2.5 Hanging scale

Always unplug the scale from the mains before working on it.

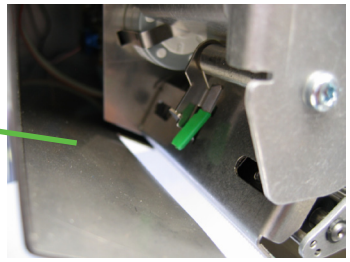
2.5.1 Cleaning

- Switch off the scale and unplug it from the mains.
- Clean the scale with a slightly damp (not wet) cloth.
- Plug the scale back into the mains and switch it on.

Only clean the scale with a commercially available cleaning agent.

2.5.2 Cleaning the printhead

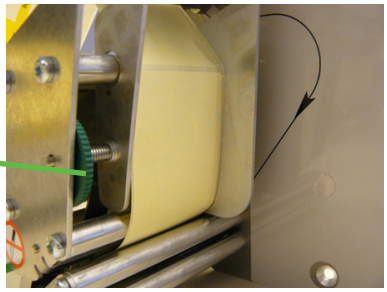
- Switch off the scale and unplug it from the mains.
- Open the printer door.
- Press the green release lever **downwards**.
  The printhead folds out upwards.
- Remove the cap from the cleaning pen.
- Clean the front of the printhead with the moist tip of the pen.
- Press the printhead **downwards** until it locks in place again.
- Replace the cap on the cleaning pen.
- Plug the scale back into the mains and switch it on.



To clean the printhead, only use the cleaning pen supplied with the scale.
Attempting to clean the printhead with other objects will damage it.

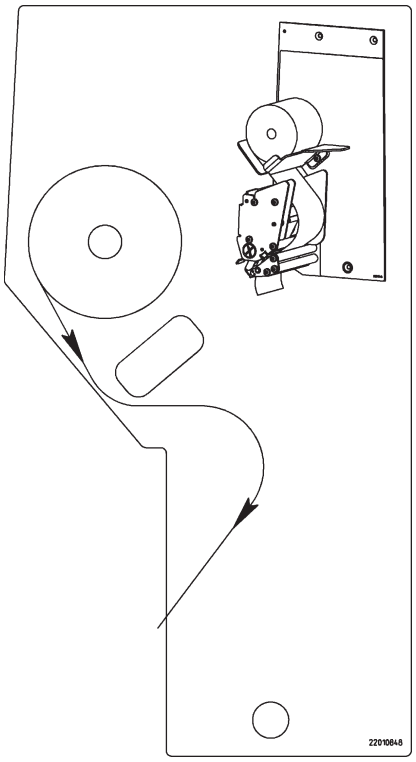
2.5.3 Setting the paper width

- Sdjust the paper guide to the corresponding paper width using the green knob.



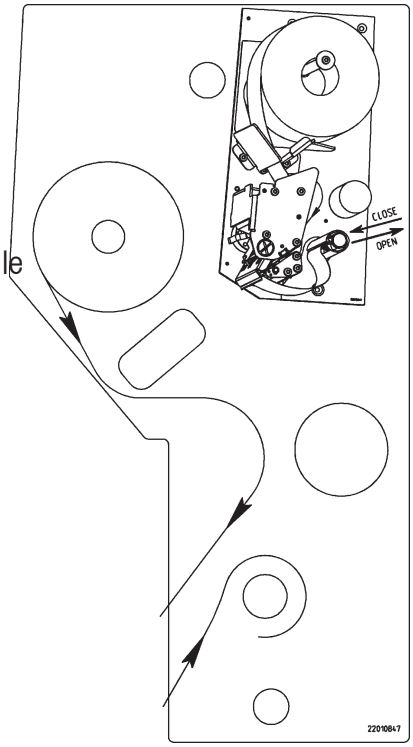
2.5.4 Inserting the receipt roll

- Remove the empty sleeve from the used roll.
- Press the green release lever **downwards**.
  The printhead folds out upwards.
- Insert the new label roll according to the adjacent diagram.
- The paper start is on the left side.
- Pull the thermal paper forwards until it becomes taut.
- Press the printhead **downwards** until it locks in place again.
- Tear off the excess paper.



2.5.5 Inserting the label roll

- Remove the empty sleeve from the used roll.
- Press the green release lever **downwards**.
  The printhead folds out upwards.
- Pull out the green take up spindle and remove the liner paper.
- Insert the new label roll as shown in the adjacent diagram.
- The paper start is on the left side.
- Insert the liner paper into the takeup spindle and push the spindle in.
- Press the printhead **downwards** until it locks in place again.
- Press the paper feed button.



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